

R. DeBerry

RMD Paper No: 19
3/19/02

1647

RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/09/509,559B

TIME: 14:10:44

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03192002\I509559B.raw

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3 110> APPLICANT: Forssmann, Wolf-Georg
5 120> TITLE OF INVENTION: Cadherin derived growth factor and its use
7 130> FILE REFERENCE: P65315US0
9 140> CURRENT APPLICATION NUMBER: 09/509,559B
10 141> CURRENT FILING DATE: 2000-11-27
12 150> PRIOR APPLICATION NUMBER: DE 19745284.1
13 151> PRIOR FILING DATE: 1997-10-15
15 150> PRIOR APPLICATION NUMBER: DE 19813088.0
16 151> PRIOR FILING DATE: 1998-03-25
18 160> NUMBER OF SEQ ID NOS: 14
20 170> SOFTWARE: PatentIn Ver. 2.1
22 210> SEQ ID NO: 1
23 211> LENGTH: 123
24 212> TYPE: PRT
25 213> ORGANISM: Homo sapiens
27 400> SEQUENCE: 1
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29 1 5 10 15
31 Arg His Leu Glu Arg Gly Arg Val Leu Gly Arg Val Asn Phe Cys Thr
32 20 25 30
34 Gly Arg Gln Arg Thr Ala Tyr Phe Ser Leu Asp Thr Arg Phe Lys Val
35 35 40 45
37 Gly Thr Asp Gly Val Ile Thr Val Lys Arg Pro Leu Arg Phe His Asn
38 50 55 60
40 Pro Gln Ile His Phe Leu Val Tyr Ala Trp Asp Ser Thr Tyr Arg Lys
41 65 70 75 80
43 Phe Ser Thr Lys Val Thr Leu Asn Gly His His Arg Pro Pro Pro
44 85 90 95
47 His Gln Ala Ser Val Ser Gly Ile Gln Ala Glu Leu Leu Thr Phe Pro
48 100 105 110
50 Asn Ser Ser Pro Gly Leu Arg Arg Gln Lys Arg
51 115 120
54 210> SEQ ID NO: 2
55 211> LENGTH: 132
56 212> TYPE: PRT
57 213> ORGANISM: Homo sapiens
59 400> SEQUENCE: 2
60 Glu Ala Ser Gly Glu Ile Ala Leu Cys Lys Thr Gly Phe Pro Glu Asp
61 1 5 10 15
63 Val Tyr Ser Ala Val Leu Ser Lys Asp Val His Glu Gly Gln Pro Leu
64 20 25 30
66 Leu Asn Val Phe Ser Asn Cys Asn Gly Lys Arg Lys Val Gln Tyr Glu
67 35 40 45

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69 Ser Ser Glu Pro Ala Asp Phe Lys Val Asp Glu Asp Gly Met Val Tyr
70      50              55              60
72 Ala Val Arg Ser Phe Pro Leu Ser Ser Glu His Ala Lys Phe Leu Ile
73 65              70              75              80
75 Tyr Ala Gln Asp Lys Glu Thr Gln Glu Lys Trp Gln Lys Leu Ser Leu
76      85              90              95
78 Lys Pro Thr Leu Thr Glu Glu Ser Val Lys Glu Ser Ala Glu Val Glu
79      100             105             110
81 Glu Ile Val Phe Pro Arg Gln Phe Ser Lys His Ser Gly His Leu Gln
82      115             120             125
84 Arg Gln Lys Arg
85      130
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 78
90 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 3
94 Cys Arg Ala Val Phe Arg Glu Ala Glu Val Thr Leu Glu Ala Gly Gly
95 1      5              10              15
97 Ala Glu Gln Glu Pro Gly Gln Ala Leu Gly Lys Val Phe Met Gly Gln
98      20              25              30
100 Glu Pro Ala Leu Phe Ser Thr Asp Asn Asp Asp Phe Thr Val Arg Asn
101      35              40              45
103 Gly Glu Thr Val Gln Glu Arg Arg Ser Leu Lys Glu Arg Asn Pro Leu
104      50              55              60
106 Lys Ile Phe Pro Ser Lys Arg Ile Leu Arg Arg His Lys Arg
107 65      70              75
110 <210> SEQ ID NO: 4
111 <211> LENGTH: 144
112 <212> TYPE: PRT
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 4
116 His Asn Glu Asp Leu Thr Thr Arg Glu Thr Cys Lys Ala Gly Phe Ser
117 1      5              10              15
119 Glu Asp Asp Tyr Thr Ala Leu Ile Ser Gln Asn Ile Leu Glu Gly Glu
120      20              25              30
122 Lys Leu Leu Gln Val Lys Ser Ser Cys Val Gly Thr Lys Gly Thr Gln
123      35              40              45
125 Tyr Glu Thr Asn Ser Met Asp Phe Lys Gly Ala Asp Gly Thr Val Phe
126      50              55              60
128 Ala Thr Arg Glu Leu Gln Val Pro Ser Glu Gln Val Ala Phe Thr Val
129 65      70              75              80
131 Thr Ala Trp Asp Ser Gln Thr Ala Glu Lys Trp Asp Ala Val Leu Val
132      85              90              95
134 Ala Gln Thr Ser Ser Pro His Ser Gly His Lys Pro Gln Lys Gly Lys
135      100             105             110
137 Lys Val Val Ala Leu Asp Pro Ser Pro Pro Pro Lys Asp Thr Leu Leu
138      115             120             125
141 Pro Trp Pro Gln His Gln Asn Ala Asn Gly Leu Arg Arg Arg Lys Arg

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142      130      135      140
148 <210> SEQ ID NO: 5
149 <211> LENGTH: 22
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151 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 5
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155 1      5      10      15
157 His Arg Arg Gln Lys Arg
158      20
161 <210> SEQ ID NO: 6
162 <211> LENGTH: 35
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapiens
166 <400> SEQUENCE: 6
167 Thr Leu Ser Thr Pro Leu Ser Lys Arg Thr Ser Gly Phe Pro Ala Lys
168 1      5      10      15
170 Lys Arg Ala Leu Glu Leu Ser Gly Asn Ser Lys Asn Glu Leu Asn Arg
171      20      25      30
173 Ser Lys Arg
174      35
177 <210> SEQ ID NO: 7
178 <211> LENGTH: 33
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
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183 Thr Leu Ser Thr Pro Leu Ser Lys Arg Thr Ser Gly Phe Pro Ala Lys
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187 Lys Arg Ala Leu Glu Leu Ser Gly Asn Ser Lys Asn Glu Leu Asn Arg
188      20      25      30
190 Ser
194 <210> SEQ ID NO: 8
195 <211> LENGTH: 54
196 <212> TYPE: PRT
197 <213> ORGANISM: Homo sapiens
199 <400> SEQUENCE: 8
200 Met Leu Leu Asp Leu Trp Thr Pro Leu Ile Ile Leu Trp Ile Thr Leu
201 1      5      10      15
203 Pro Pro Cys Ile Tyr Met Ala Pro Met Asn Gln Ser Gln Val Leu Met
204      20      25      30
206 Ser Gly Ser Pro Leu Glu Leu Asn Ser Leu Gly Glu Glu Gln Arg Ile
207      35      40      45
209 Leu Asn Arg Ser Lys Arg
210      50
213 <210> SEQ ID NO: 9
214 <211> LENGTH: 31
215 <212> TYPE: PRT
216 <213> ORGANISM: Homo sapiens
218 <400> SEQUENCE: 9

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219 Phe Ala Pro Glu Arg Arg Gly His Leu Arg Pro Ser Phe His Gly His
220   1           5           10           15
222 His Glu Lys Gly Lys Glu Gly Gln Val Leu Gln Arg Ser Lys Arg
223   20           25           30
226 >210> SEQ ID NO: 10
227 >211> LENGTH: 26
228 >212> TYPE: PRT
229 >213> ORGANISM: Homo sapiens
231 >400> SEQUENCE: 10
232 Glu Arg Arg Gly His Leu Arg Pro Ser Phe His Gly His His Glu Lys
233   1           5           10           15
235 Gly Lys Glu Gly Gln Val Leu Gln Arg Ser
236   20           25
239 >210> SEQ ID NO: 11
240 >211> LENGTH: 31
241 >212> TYPE: PRT
242 >213> ORGANISM: Homo sapiens
244 >400> SEQUENCE: 11
245 Gln Pro Gln Pro Gln Gln Thr Leu Ala Thr Glu Pro Arg Glu Asn Val
246   1           5           10           15
248 Ile His Leu Pro Gly Gln Arg Ser His Phe Gln Arg Val Lys Arg
249   20           25           30
252 >210> SEQ ID NO: 12
253 >211> LENGTH: 29
254 >212> TYPE: PRT
255 >213> ORGANISM: Homo sapiens
257 >400> SEQUENCE: 12
258 Gln Pro Gln Pro Gln Gln Thr Leu Ala Thr Glu Pro Arg Glu Asn Val
259   1           5           10           15
261 Ile His Leu Pro Gly Gln Arg Ser His Phe Gln Arg Val
262   20           25
265 >210> SEQ ID NO: 13
266 >211> LENGTH: 129
267 >212> TYPE: PRT
268 >213> ORGANISM: Homo sapiens
270 >400> SEQUENCE: 13
271 Glu Asp Leu Asp Cys Thr Pro Gly Phe Gln Gln Lys Val Phe His Ile
272   1           5           10           15
274 Asn Gln Pro Ala Glu Phe Ile Glu Asp Gln Ser Ile Leu Asn Leu Thr
275   20           25           30
277 Phe Ser Asp Cys Lys Gly Asn Asp Lys Leu Arg Tyr Glu Val Ser Ser
278   35           40           45
280 Pro Tyr Phe Lys Val Asn Ser Asp Gly Gly Leu Val Ala Leu Arg Asn
281   50           55           60
283 Ile Thr Ala Val Gly Lys Thr Leu Phe Val His Ala Arg Thr Pro His
284   65           70           75           80
286 Ala Glu Phe Asp Met Ala Glu Leu Val Ile Val Gly Gly Lys Asp Ile
287   85           90           95
289 Ser Leu Gln Asp Ile Phe Lys Phe Ala Arg Thr Ser Pro Val Pro Arg

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290          100          105          110
292 Gln Lys Arg Pro Ser Val Leu Leu Leu Ser Leu Phe Ser Leu Ala Cys
293          115          120          125
295 Leu
299 (210)> SEQ ID NO: 14
300 (211)> LENGTH: 39
301 (212)> TYPE: PRT
302 (213)> ORGANISM: Homo sapiens
304 (400)> SEQUENCE: 14
305 Val Pro Gly Trp Arg Arg Pro Thr Thr Leu Tyr Pro Trp Arg Arg Ala
306 1          5          10          15
308 Pro Ala Leu Ser Arg Val Arg Arg Ala Trp Val Ile Pro Pro Ile Ser
309          20          25          30
311 Val Ser Glu Asn His Lys Arg
312          35
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VERIFICATION SUMMARY

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